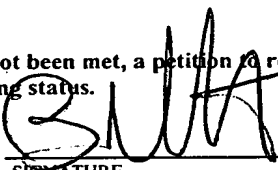


FORM PTO-1390 (REV. 11-2000)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER <b>A01203US (98148.17)</b>	
<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO. (If known, see 37 CFR 1.5 <div style="font-size: 1.5em; font-weight: bold; margin-top: 5px;">09/913966</div>	
INTERNATIONAL APPLICATION NO. <b>PCT/GB00/00524</b>		INTERNATIONAL FILING DATE <b>17 February 2000 (17.02.00)</b>		PRIORITY DATE CLAIMED <b>17 February 1999 (17.02.99)</b>	
TITLE OF INVENTION <b>"PROCESS FOR THE CONVERSION OF A FLUID PHASE SUBSTRATE BY          DYNAMIC HETEROGENEOUS CONTACT WITH A SOLID AGENT"</b>					
APPLICANT(S) FOR DO/EO/US <b>RAMSHAW, Colin; JACHUCK, Roshan, Jeet, Jee</b>					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>					
<b>Items 11 to 20 below concern document(s) or information included:</b>					
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</li> <li>18. <input checked="" type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input type="checkbox"/> Other items or information:</li> </ol>					

U.S. APPLICATION NO. (if known) <b>09/913966</b>		INTERNATIONAL APPLICATION NO. <b>PCT/GB00/00524</b>		ATTORNEY'S DOCKET NUMBER <b>A01203US (98148.17)</b>					
<b>21. <input checked="" type="checkbox"/> The following fees are submitted:</b> <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1000.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$860.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$710.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$690.00</b> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b> <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>CALCULATIONS PTO USE ONLY</b>          <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><b>\$ 1,000</b></td> <td style="width: 50%; border: none;"></td> </tr> <tr> <td style="border: none;"><b>\$ 130</b></td> <td style="border: none;"></td> </tr> </table>		<b>\$ 1,000</b>		<b>\$ 130</b>	
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<b>\$ 130</b>									
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><b>\$</b></td> <td style="width: 50%; border: none;"></td> </tr> <tr> <td style="border: none;"><b>\$ 130</b></td> <td style="border: none;"></td> </tr> </table>		<b>\$</b>		<b>\$ 130</b>	
<b>\$</b>									
<b>\$ 130</b>									
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	<b>\$</b>					
Total claims	- 20 =		x \$18.00	<b>\$</b>					
Independent claims	- 3 =		x \$80.00	<b>\$</b>					
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$270.00	<b>\$</b>					
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 1,130</b>					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><b>\$</b></td> <td style="width: 50%; border: none;"></td> </tr> <tr> <td style="border: none;"><b>\$ 565</b></td> <td style="border: none;"></td> </tr> </table>		<b>\$</b>		<b>\$ 565</b>	
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<b>\$ 565</b>									
<b>SUBTOTAL =</b>				<b>\$ 565</b>					
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><b>\$</b></td> <td style="width: 50%; border: none;"></td> </tr> <tr> <td style="border: none;"><b>\$</b></td> <td style="border: none;"></td> </tr> </table>		<b>\$</b>		<b>\$</b>	
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<b>\$</b>									
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 565</b>					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><b>\$</b></td> <td style="width: 50%; border: none;"></td> </tr> <tr> <td style="border: none;"><b>\$</b></td> <td style="border: none;"></td> </tr> </table>		<b>\$</b>		<b>\$</b>	
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<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 565</b>					
				<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><b>Amount to be refunded:</b></td> <td style="width: 50%; border: none;"><b>\$</b></td> </tr> <tr> <td style="border: none;"><b>charged:</b></td> <td style="border: none;"><b>\$</b></td> </tr> </table>		<b>Amount to be refunded:</b>	<b>\$</b>	<b>charged:</b>	<b>\$</b>
<b>Amount to be refunded:</b>	<b>\$</b>								
<b>charged:</b>	<b>\$</b>								
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>565</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO: <b>Seth M. Nehrbass</b>  <b>GARVEY, SMITH, NEHRBASS &amp; DOODY, L.L.C.</b>  <b>3838 N. CAUSEWAY BLVD., STE 3290</b>  <b>METAIRIE, LA 70002</b>  <b>US</b></p> <p><b>PTO CUSTOMER NUMBER 22920</b></p> <div style="text-align: right; margin-top: 20px;">         SIGNATURE  <b>BRETT A. NORTH</b>        NAME  <b>42,040</b>        REGISTRATION NUMBER     </div>									

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS: RAMSHAW, Colin and JACHUCK, Roshan, Jeet, Jee  
ASSIGNEE: Protensive Limited (A UK Company)  
APPLICATION NO.: PCT/GB00/00524  
FILED: 17 February 2000 (17.02.00)  
PRIORITY: 17 February 1999 (17.02.99)  
FOR: "PROCESS FOR THE CONVERSION OF A FLUID PHASE SUBSTRATE BY  
DYNAMIC HETEROGENEOUS CONTACT WITH AN AGENT  
ATTORNEY DOCKET NO.: A01203US (98148.17)

\*\*\*\*\*

**COMMENTS ACCOMPANYING TRANSMITTAL LETTER**

Assistant Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Attached are two copies of the above-referenced international application as published as International Publication No. W0 00/48731 on 24 August 2000. Also enclosed is a copy of the International Preliminary Examination Report.

A check for \$565.00 for the basic fee is enclosed.

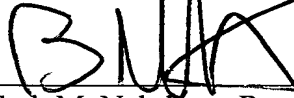
No claims fees are being paid at this time. A preliminary amendment will be filed with the signature documents to put the claims in line with US practice.

Should the Patent Examiner feel that a telephone conference would advance the prosecution of this application, he is encouraged to contact the undersigned at the telephone number listed below.

Applicant respectfully petitions the Commissioner for any extension of time necessary to render this paper timely.

Please charge any fees due (except claim fees and fees for multiple dependent claims) or credit any overpayment to Deposit Account No. 50-0694.

Respectfully submitted,



Seth M. Nehrbass, Reg. No. 31,281

Charles C. Garvey, Jr., Reg. No. 27,889

Gregory C. Smith, Reg. No. 29,441

Stephen R. Doody, Reg. No. 29,062

Brett A. North, Reg. No. 42,040

GARVEY, SMITH, NEHRBASS & DOODY, L.L.C.

**PTO Customer Number 22920**

3838 N. Causeway Blvd., Suite 3290

Metairie, LA 70002

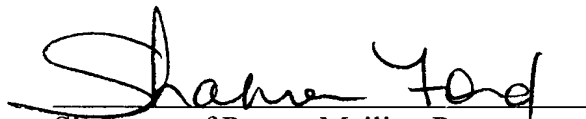
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Fax: 504-835-2070

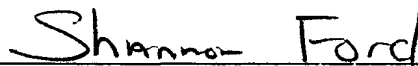
e-mail: IPLNO@AOL.COM

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Label No. **EL444165980US**, in an envelope addressed to: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231, on August 17, 2001.



Signature of Person Mailing Paper



Typed or Printed Name of Person Mailing Paper